

AMENDMENTS TO THE SPECIFICATION

In the Abstract

Please substitute the following amended Abstract for the Abstract as currently pending (deleted matter is shown by strikethrough and added matter is shown by underlining):

A microscope arrangement ~~includes~~ including an illumination source, optical components for generating an illumination beam path, an objective through which the illumination beam path is directed onto a sample which is present in the object plane of the objective or in the proximity thereof, and optical components for generating an imaging beam path directed onto the receiving surface of a camera. The microscope arrangement a homogenizing unit for homogenizing the illumination light that is incident on the sample section to be examined. The homogenizing unit makes it possible to illuminate the object plane of the microscope arrangement and thus the subsection of a sample present in the object plane or in the proximity thereof in a homogenous manner, thereby improving the quality of reproduction of the sample section and resulting in a higher measuring accuracy and thus in a higher reproducibility.